Software Release Notes
OneAdvisor 800A Wireless
Radio Analysis Module

Table of Contents

General Information *7*
About this Document 7
Installation Instructions 7
Release 26269_R1 ..... *9*
Software and Hardware compatibility 9
What's new in this release. 9
Improvements 9
Bug Fixes 10
Known Issues 10
Previous Version History *10*
Release 26030_R3 ..... *10*
Software and Hardware compatibility 10
What's new in this release. 11
Improvements 11
Bug Fixes 11
Known Issues 12
Release 25276 ..... *12*
Software and Hardware compatibility 12
What's new in this release. 12
Improvements 12
Bug Fixes 13
Known Issues 13
Release 25143 ..... *13*
Software and Hardware compatibility 13
What's new in this release. 13

Improvements **13**
Bug Fixes **14**
Known Issues **14**
Release 25028 ..... ***14***
Software and Hardware compatibility **14**
What's new in this release. **15**
Improvements **15**
Bug Fixes **15**
Known Issues **15**
Release 24267 ..... ***15***
Software and Hardware compatibility **15**
What's new in this release. **16**
Improvements **16**
Bug Fixes **16**
Known Issues **16**
Release 24141 ..... ***17***
Software and Hardware compatibility **17**
What's new in this release. **17**
Improvements **17**
Bug Fixes **17**
Known Issues **17**
Release 4.3.4 ..... ***18***
Software and Hardware compatibility **18**
What's new in this release. **18**
Improvements **18**
Bug Fixes **18**
Known Issues **18**
Release 4.3.3-r0_a2 ..... ***19***
Software and Hardware compatibility **19**
What's new in this release. **19**
Improvements **19**
Bug Fix **19**
Known Issues **20**
Release 4.3.0 ..... ***20***

Software and Hardware compatibility **20**
What's new in this release. **20**
Improvements **20**
Release 4.2.0-r0_a2 ..... ***21***
Software and Hardware compatibility **21**
What's new in this release. **21**
Improvement **22**
Bug Fix **22**
Known Issues **22**
Release 4.1.2-r0_a2 ..... ***23***
Software and Hardware compatibility **23**
What's new in this release. **23**
Improvement **23**
Bug Fix **23**
Known Issues **23**
Release 4.1.2-r0_a1 ..... ***23***
Software and Hardware compatibility **23**
What's new in this release. **24**
Improvement **24**
Bug Fix **24**
Known Issues **24**
Release 4.1.0-r0_a2 ..... ***24***
Software and Hardware compatibility **24**
What's new in this release **24**
Improvement **25**
Bug Fix **25**
Known Issues **25**
Release 4.0.2-r0_a3 ..... ***25***
Software and Hardware compatibility **26**
What's new in this release **26**
Improvement **26**
Bug Fix **26**
Known Issues **26**
Release 4.0.2-r0_a1 ..... ***26***

Software and Hardware compatibility **26**
What's new in this release **27**
Improvement **27**
Bug Fix **27**
Known Issues **27**
Release 4.0.1-r0_a1 ..... ***27***
Software and Hardware compatibility **27**
What's new in this release **27**
Improvement **27**
Bug Fix **27**
Known Issues **27**
Release 4.0.0-r0_a1 ..... ***28***
Software and Hardware compatibility **28**
What's new in this release **28**
Improvement **28**
Bug Fix **29**
Known Issues **29**
Release 3.5.0-r0_a2 ..... ***29***
Software and Hardware compatibility **29**
What's new in this release **30**
Known Issues **30**
Release 3.5.0-r0_a1 ..... ***30***
Software and Hardware compatibility **30**
What's new in this release **30**
Improvement **30**
Bug Fix **31**
Known Issues **31**
Release 3.4.0-r0_a2 ..... ***31***
Software and Hardware compatibility **31**
What's new in this release **32**
Improvement **32**
Bug Fix **32**
Known Issues **32**
Release 3.4.0-r0_a1 ..... ***32***

Software and Hardware compatibility **32**
What's new in this release **33**
Improvement **33**
Bug Fix **33**
Known Issues **33**
Release 3.3.3-r0_a1 ..... ***33***
Software and Hardware compatibility **33**
What's new in this release **34**
Improvement **34**
Bug Fix **34**
Known Issues **34**
Release 3.3.0-r0_a3 ..... ***34***
Software and Hardware compatibility **34**
What's new in this release **34**
Improvement **34**
Bug Fix **34**
Known Issues **35**
Release 3.3.0-r0_a2 ..... ***35***
Software and Hardware compatibility **35**
What's new in this release **35**
Improvement **35**
Bug Fix **35**
Known Issues **35**
Release 3.3.0-r0_a1 ..... ***35***
Software and Hardware compatibility **35**
What's new in this release **36**
Improvement **36**
Bug Fix **36**
Known Issues **36**
Release 3.2.1-r0_a1 ..... ***36***
Software and Hardware compatibility **36**
What's new in this release **37**
Bug fix/Improvement **37**
Known Issues **37**

Release 3.2.1-r0_a0 ..... *37*
Software and Hardware compatibility **37**
What's new in this release **37**
Bug fix/Improvement **38**
Known Issues **38**
Release 3.1.1 ..... *38*
Software and Hardware compatibility **38**
What's new in this release **38**
Bug fix/Improvement **38**
Known Issues **39**
Release 3.1.1 ..... *39*
Software and Hardware compatibility **39**
What's new in this release **39**
Bug fix/Improvement **39**
Known Issues **39**
Release 3.1.0 ..... *39*
Software and Hardware compatibility **39**
What's new in this release **40**
Bug fix/Improvement **40**
Known Issues **40**
Release 3.0.1 ..... *40*
Software and Hardware compatibility **40**
What's new in this release **40**
Bug fix/Improvement **41**
Known Issues **41**
Release 3.0.0 ..... *41*
Software and Hardware compatibility **41**
What's new in this release **41**
Bug fix/Improvement **42**
Known Issues **42**
Release 1.2.0 ..... *42*
Software and Hardware compatibility **42**
What's new in this release **42**
Bug fix/Improvement **43**

Known Issues **43**
Release 1.1.0 ..... ***43***
Software and Hardware compatibility **43**
What's New in this release **43**
Technical Assistance ***44***

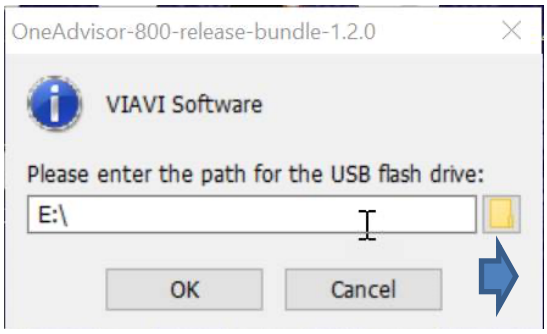
General Information

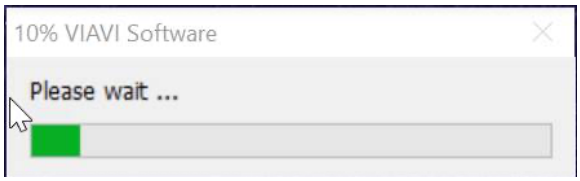
About this Document

This document provides OneAdvisor 800 Wireless firmware version numbers, a description of new features, and a list of unresolved issues associated with this release, unless otherwise specified.

Installation Instructions

- Visit the website below to download the latest firmware. Firmware file has *.exe extension which is self-extractable file.
  http://ona-800.updatemyunit.net
- Attached a USB memory device into your computer of at least 1GHz of space available (maximum USB capacity is 32B, and formatted as FAT32)
- Run the downloaded firmware file and when prompted select the drive that corresponds to the USB memory device. When completed all the firmware source files will be extracted in the USB root under a folder name "ale".





- Connect AC/DC power adapter into the OneAdvisor 800
- Insert the USB memory device into the USB port located on the top of the OneAdvisor 800.

- In OneAdvisor 800 Home Page select: {System}, {Upgrade}, {USB}, {Start Upgrade}:

- The upgrade progress will start and might take 10 minutes to 30 minutes. At the end of the upgrade process the OneAdvisor 800 will reboot to complete the upgrade.
- For more information, refer to OneAdvisor 800 User`s Guide.

Release 26269_R1

Release date: September 30, 2026

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	26.2.2-27.1.2	26/09/2026
Radio Analysis MA	20.1400.0001r	30/09/2026
Radio Analysis MB	21.1400.0001r	30/09/2026
RF Power Meter	7.046.001r	30/09/2026
CAA	6.086.001r	30/09/2026
Transport	7.2.0	29/09/2026
Fiber Optics	26.1.18	22/09/2026

Please note:

1. *When a new hardware module is added to the system, a firmware upgrade is required to install the associated application.*
2. *After a Reimage installation, the Solution Application is not installed automatically and must be deployed separately through the standard Upgrade FW process.*

What's new in this release.

- RFViewer Analysis (RA-RFVIEWER) option for Radio Analysis Modules RAxxMB
- EMF Analysis in Real Time Spectrum Analyzer (ONA-SP-EMF-RTSA) for Radio Analysis Modules RAxxMA

Improvements

- Platform: Added a notification prompt to install the required application when a new hardware module is detected
- Real Time Spectrum Analyzer:
  - Improved trace update rate on Radio Analysis Modules RAxxMA
  - Improved noise level flatness
- 5GTM Analyzer:
  - Improved 5GTM signal synchronization to support newly defined 5GTM signals
  - Enabled 5GTM signal measurements without GNSS connection.
  - Added support for user-configurable PCI settings.
  - Enhanced frequency error measurement accuracy.
- EMF Analyzer:
  - Added support for individual tracking of all detected LTE EMF PCIs and supporting each PCI contribution analysis.
  - Added automatic detection of LTE MIMO 2×2 and 4×4 configurations.
  - Added the ability to launch EMF LTE and EMF 5G measurements directly from Blind Scan results, with automatic application of detected carrier settings.
  - Added support for displaying EMF measurement results (%) in both V/m and W/m² across all EMF measurement modes.

- Added snapshot-based post-analysis for EMF 5G Traffic Analysis, allowing users to redefine the X-, Y-, and Z-axis sampling area after measurement

Bug Fixes

- Fixed an issue where the Result (.csv) option in the Save menu was unavailable in Multi-RAT (NSA) Analyzer and Scanner.
- Fixed an issue that could cause the instrument to become unresponsive after Auto CPRI Detection in the RFoCPRI function
- Fixed an issue where delayed Auto Gain Control adjustment could result in missing signal data in Multi-RAT Route Map measurements.
- Fixed a measurement issue that could occur when Channel Scanner was the first application loaded after instrument startup
- Fixed an issue where the selected band information was not correctly applied when launching a measurement application from Blind scan, resulting in an incorrect channel number display
- Fixed an issue where measurements could not be performed in Spectrogram and Persistent Spectrogram modes after loading TAGS setup files
- Fixed an issue where Sweep Once could retain previous averaging data instead of restarting the averaging process from 0 to the configured sweep count
- Fixed an issue that could cause trace updates to stop during Continuous Sweep at FFT mode and, in rare cases, lead to Spectrum Analyzer instability
- Fixed an issue where the Left Peak and Right Peak marker search functions in Spectrum analyzer could cause the Radio Analysis Module to become unresponsive, preventing dependent applications from launching
- Fixed an issue where SCPI trace data was always returned in dBm, regardless of the configured measurement unit

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Previous Version History

This section provides history of previous firmware versions.

Release 26030_R3

Release date: March 05, 2026

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	26.0.3	30/01/26

Radio Analysis MA	20.1200.0001r	04/03/26
Radio Analysis MB	21.1200.0001r	04/03/26
RF Power Meter	7.044.001	04/03/26
CAA	6.084.002r	04/03/26
Transport	7.0.0	11/02/26
Fiber Optics	26.6.8	17/02/26

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- Unified firmware supporting all radio analysis modules: SPA06, RAxxMA/B
- 5GNR PDSCH Analysis (ONA-SP-5GNR-PDSCH) option in RAxxMA module
- Korea Conformance Test suite LTE-M/R Mobile Station (ONA-SP-KCTS-LTEMR) for SPA06 and RAxxMA modules
- Smart Upgrade feature that only installs the relevant applications
- 5G Smart Power Lock testing for EMF spectrum measurement mode

Improvements

- Common: Added icon indicating the type of external frequency selected and its locking status when the frequency reference is set to External in SPA06MA/MA-O
- Real Time Spectrum Analyzer: Improving trace update rate in SPA06MA/MA-O
- RFoCPRI Analyzer: Enhanced RFoCPRI Auto Configuration
- LTE and 5G NR OTA Analyzer: Adding Cell ID decoding in LTE ID Scanner and 5G NR Bam Analyzer when NCI/BW Decoding is set to ON
- EMF Analyzer:
    - Extending the antenna factor data for the isotropic antennas G700050382 and G700050383 to read up to 200 data points
    - Enabled Isotropic antenna operation on Spectrum Analyzer, Real Time Spectrum Analyzer and all the Signal Analyzers test modes
    - Changed the default Auto Gain setting to OFF

Bug Fixes

- Resolved an issue where `SPECtrum:AMPlitude:REFerence` returned values in dBm when controlling the ONA800W via SCPI, regardless of the configured unit (e.g., dBµV).
- Fixed an issue where `SPECtrum:TRACe:DATA?` returned invalid or outdated data when the trace point count changed.
- Corrected a misleading antenna axis information displayed during EMF measurements.
- Fixed an issue in EMF LTE Analyzer where the AVG EMF power in the summary incorrectly matched the MIN value despite differing values in the chart.
- Resolved an issue where selecting the full menu caused a white screen to appear.
- Fixed an issue where the external offset was applied multiple times, causing spectrum trace shaking when using the Auto Scale button.
- Corrected an issue where the Optics BERT menu was inaccessible when O-DU Emulation was not enabled.
- Fixed incorrect displayed in the 5G Multipath CSV export.

- Fixed an issue where spectrum data saved using Save / Results (.csv) was always saved in dBm, even when the measurement was configured to use other units (e.g., dBµV).

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 25276

Release date: October 02, 2025

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	25.2.2	03/10/25
CAA	6.083.002r	02/10/25
Fiber Optics	25.4.16	17/09/25
Radio Analysis	20.1100.0002r	02/10/25
RF Power Meter	7.043.001r	02/10/25
Transport	6.3.0	02/10/25

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- Adding support for new 10GE/25GE Optic BERT (ONA-SP-OB10G, ONA-SP-OB25G) in O-RAN
- Adding support for new LTE-NTN Signal Analysis (ONA-SP-LTE-NTN) into LTE OTA ID Scanner

Improvements

- Spectrum Analyzer:
  - Adding AM/FM demodulation analysis for SPA06MA/SPA06MA-O
- Blind Scanner:
  - Enabling selection of multiple carriers during blind scan and automatic activation of the corresponding carrier scanners
  - Improving search algorithm for more consistent result
  - Adding the Cell ID information to csv result
- EMF Analysis:
  - Introducing logarithmic graph when using percentage (%) unit.
  - Enhancing auto traffic group detection under low traffic conditions
  - Updating spectrum trace to algin with configured dwell time

- NSA Analyzer: Renaming option title Multi-RAT Analyzer

Bug Fixes

- Adjusted the inherent time error correction value to improve timing synchronization accuracy
- Resolved a measurement error when using EMF Spectrum with a center frequency below 450 MHz and a SPAN setting of 10 MHz
- Resolved a crashing issue during data logging (.csv) when the system language was set to German
- Fixed an issue where the GNSS clock would reset when switching measurement modes while operating in GNSS holdover state
- Fixed missing antenna gain indication in EMF Analyzer
- Corrected a level offset error when changing the SPAN from 20 MHz to 10 MHz with the center frequency set to 1.5 GHz in the RA module

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 25143

Release date: May 07, 2025

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	25.1.0	13/05/25
CAA	6.082.001r	21/05/25
Fiber Optics	24.4.22	25/04/25
Radio Analysis	20.1000.0001r	21/05/25
RF Power Meter	7.042.001r	21/05/25
Transport	6.2.0	23/05/25

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- Adding new isotropic Antenna (G700050382) in EMF analyzer

Improvements

- Spectrum Analyzer:

- Adding AM/FM demodulation analysis for RAxxMA-O family.
- EMF Analysis:
  - Supporting SSB with SCS 240 kHz and traffic with SCS 120 kHz
  - Displaying antenna/cable type and limit line information on measurement screen
- Blind Scanner: Replacing PLMN code with Mobile Network Operator (MNO) on the scanning results
- 5G RAN Analyzer: Adding Route Map and RTSA/TAGS Spectrum Analyzer
- 5G NR Signal Analyzer: Changed sub-measurement title in constellation measurement

Bug Fixes

- Fixed a bug that was not launching Cell Phase Synchronization from RAN Analyzer option
- Fixed a bug that was not set downlink slots of 5G FDD signal in EMF 5G signal analysis
- Fixed an error that showed wrong license blocking between 5G NR OTA and 5G NR signal Analysis on Blind scanner application launcher
- Fixed a bug that was not working of auto scale with multiple traces in interference analysis and spectrogram
- Fixed an error that showed unstable result at dwell time 0.1 sec in EMF
- Fixed an error that not being activated of external storage in the Auto ODU-Emulation
- Fixed an error that not updated trace result on Smith charter in CAA

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 25028

Release date: Feb 04, 2025

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	24.3.0	24/01/25
CAA	6.081.001r	23/01/25
Fiber Optics	24.4.22	15/01/25
Radio Analysis	20.0900.0001r	23/01/25
RF Power Meter	7.041.001r	23/01/25
Transport	6.0.0	28/01/25

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- RF Test Functions
  - Added Optical test and line rate 10 options in RFoCPRI

Improvements

- RF Test Functions
  - ODU Emulation: Added automatic verification test.
  - EMF Analysis:
    - Added user defined beam index measurement in 5G NR Beam Analysis
    - Reduced dwell time in Spectrum
    - Added simultaneous RMS/Peak measurement in Spectrum
    - Added dBW/m^2 and Spectral Density in spectrum
  - Blind Scanner: Improved the search result performance
  - RFoCPRI: Applied the same RF spectrum trace function definition into RFoCPRI spectrum
  - TAGS: Added the Sound indicator
  - All Analyzer: Improved Auto gain and Auto Reference feature

Bug Fixes

- Radio Analysis Application
- Fixed a bug that showed wrong marker operation in RFoCPRI spectrum
- Fixed a bug that showed charter 1 and 2 only in quad mode
- Fixed an error that was not working for NR Case B detection in Blind Scanner
- Fixed an error that showed wrong license blocking between 5G NR OTA and 5G NR signal Analysis on Blind scanner application launcher
- Corrected spectrum trace operation in lower frequency
- Corrected typo in EMF 5G NR traffic analysis

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 24267

Release date: Sep 23, 2024

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	24.2.2	06/09/24
CAA	6.081.001r	10/09/24

Fiber Optics	24.4.14	23/09/24
Radio Analysis	20.0800.0003r	12/09/24
RF Power Meter	7.040.001r	10/09/24
Transport	5.3.0	23/09/24

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- RF Test Functions
  - ODU emulation options for Samsung and Fujitsu Radio in radio analysis modules RAxxMA-O (09, 18, 32, 44 GHz)

Improvements

- RF Test Functions
  - RFoCPRI analysis: Improved AutoCPRI process.
  - EMF LTE Analysis: code selectivity test mode.
  - Blind Scanner: Increased test functions for TDD signals, and loop testing process.
  - System Settings: Added the ability to apply multiple settings into multiple test tabs, and the ability to change the side menu format from icons to text.
  - Realtime Spectrum Analysis: Added display grid lines.

Bug Fixes

- Radio Analysis Application
  - Fixed an error that resulted in incorrect slot format color mapping in TAGS.
  - Fixed an error that showed different time error results between fast and normal sweep in 5G signal analysis.
  - Fixed an error that showed different time error results between carrier scanner and beam analyzer in 5G signal analysis.
  - Fixed a bug that displayed incorrect GNSS position and cell site locations with zoom levels.
  - Fixed an error that showed wrong blind scan result when the language is changed to Spanish.
  - Fixed a bug that stop measurement with trace average in interference finder.
  - Corrected cable loss compensation and X-Y-Z quadratic sum in EMF spectrum and 5G NR Traffic EMF
  - Corrected to show full length of cell identity in Blind Scanner

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 24141

Release date: Jun 19, 2024

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	24.1.1	03/05/2024
CAA	6.080.002r	19/05/2024
Fiber Optics	24.2.7	03/06/2024
Radio Analysis	2.700.004r	11/06/2024
RF Power Meter	7.029.002r	19/05/2024
Transport	5.1.0	15/05/2024

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- RF Test Functions
  - New 5G OTA RF conformance testing (RAxxMA-O)

Improvements

- RF Test Functions
  - Added automatic selection mode of PRB group to 5G NR Traffic analysis
  - Measurement time in EMF analyzer extended up to 24 hours
  - RFoCPRI improvements in auto-configuration mode for the dynamic range of spectrum shape

Bug Fixes

- Radio Analysis Application
  - Fixed RFoCPRI spectrum inversion
  - Fixed an error that resulted in incorrect average and current power values in the EMF scanner mode
  - Fixed a bug that displayed the chart format incorrectly in the 5G NR traffic analysis mode of EMF analyzer
  - Fixed an issue that did not allow users to access to the root directory of an external storage from a solution application

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 4.3.4

Release date: Mar 14, 2024

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	24.1.1	03/05/2024
CAA	6.080.002r	19/05/2024
Fiber Optics	24.2.7	03/06/2024
Radio Analysis	2.700.003r	21/05/2024
RF Power Meter	7.028.001r	21/05/2024
Transport	5.1.0	15/05/2024

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- RF Test Functions
  - ODU Emulation for Samsung Radio (SPA06MA-O)
  - OTA 5GNR adjacent power leakage detection
  - WCDMA frequency error test

Improvements

- RF Test Functions
  - Added custom channel scanner feature in GSM OTA analyzer

Bug Fixes

- Radio Analysis Application
  - Fixed average and current power value results in EMF scanner mode.
  - Fixed incorrect chart format displayed in EMF 5G traffic analysis
- CAA Application
  - Fixed a condition that creates an invalid trace output or trace not displayed after system start-up

Known Issues

- Occasional occurrence of a dark screen upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 4.3.3-r0_a2

Release date: Dec 23, 2023

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	4.3.3	11/30/2023
CAA	6.069.002r	12/15/2023
Fiber Optics	23.68	12/05/2023
Radio Analysis	2.600.0016r	12/19/2023
RF Power Meter	7.027.001r	12/15/2023
Transport	5.0.0	12/19/2023

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- Transport Test Functions
  - CPRI BERT Line Rate 10
- RF Test Functions
  - Integration of Spectrum-NET data into Interference Analyzer, Real Time Spectrum Analyzer and TDD Auto Gate Sweep test modes

Improvements

- RF Test Functions
  - Added default file saving location to micro-SD card
  - Added Auto Reference menu (On/Off) for auto-scale
  - Added center frequency list in RAN Analyzer
  - Added standalone mode indicator in 5GNR Carrier Scanner
  - Added symmetrical multi-path profile window in NR/LTE/DSS/GSM
  - Sets trigger to GNSS when the GNSS is locked
  - Saves all measurement tabs in one report (pdf)
  - EMF Analyzer (F001 and F002 only)
    - Added altitude and instantaneous values in scanner
    - Added Channel Number, Channel Step menu on 5GNR Beam/Traffic Analysis
- CAA Usability Improvements
  - Added calibration date & FW version in report
  - Updates cable list with JMA cables
  - Added limit value and band marker display in the measurement screen

Bug Fix

- Radio Analysis Application

- Fixed missing NR bandwidths (15 and 20MHz) in EMF 5GNR Traffic Analysis auto configuration
- Fixed incorrect measurement screen when moving makers in EMF Spectrum
- Fixed incorrect bandwidth span in EMF Spectrum Analyzer
- Fixed an issue where the sweep would halt when changing the frequency, specifically in the case of manual RBW (Resolution Bandwidth) in the Sweep Tuned Spectrum
- Fixed an issue that 'Overwrite' is not displayed when selecting file type as multiple
- Fixed an issue that marker table is not fully displayed in the results when saving a report
- Fixed an issue of 20 MHz (8 AxC) bandwidth option missing in RFoCPRI Interference Analyzer
- Fixed a spur signal at 70 MHz in SPA06MA and SPA06MA-O

Known Issues

- Occasional occurrence of a dark screen issue upon turning on the instrument, requiring a reboot to resolve.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting the instrument.

Release 4.3.0

Release date: Aug 21, 2023

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Platform	4.3.0	19 Aug 2023
CAA	6.068.001r	18 Aug 2023
Fiber Optics	23.40	21 Jul 2023
Radio Analysis	2.500.0002r	18 Aug 2023
RF Power Meter	7.26.001r	18 Aug 2023
Transport	4.2.0	21 Aug 2023

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- Transport Test Functions
  - Ethernet traffic generation with LBM
- RF Test Functions
  - Traffic selective measurement in EMF Analyzer

Improvements

- System
  - New capability to pull floating licenses from mobile tech to adopt floating licenses
  - deployment model.

- Added Traditional Chinese, Czech, Danish, Finnish, Norwegian, Polish, Swedish, and Indonesian language support

- RF Test Functions
  - Reduced changing time between modes and measurements
  - Capable to save the screen without setup information
  - Control Antenna Advisor's button to capture screens in Spectrum analyzer and
  - Realtime spectrum analyzer
  - Added utilization chart in 5G Allocation Mapper
  - Shows measured BW in the Spectrum view of Interference Finder
  - Displays the DL and UL channel number of the interference Analysis
  - Added the RF Source control to Interference Analyzer and TAGS
  - Added P/S-SS Power to OTA Channel Scanner for LTE/NR/NSA
  - Supports the Center Frequency list in TDD Auto Gated Spectrum
  - Added the Bias Voltage control to the Radio Analysis application
  - Added an option to select a trace to log if multiple traces in Interference Analyzer, Real-time Spectrum Analyzer, and RFoCPRI Analyzer
  - Added P/F limit in Cell Phase Sync and new reference for Time Error

Release 4.2.0-r0_a2

Release date: Apr 22, 2023

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Mainframe	4.1.2	01 Mar 2023
CAA	6.066.003r	02 Mar 2023
Fiber Optics	23.08+svn78059	02 Mar 2023
Radio Analysis	2.300.0007r	22 Mar 2023
RF Power Meter	7.024.001r	02 Mar 2023
Transport	4.0.1.a235375b440	02 Mar 2023

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

- RF Test Functions
  - GSM/GPRS/EDGE Signal Analyzer (Perpetual/Floating/Timed options):
    - ONA-SP-GSMOTA: GSM over-the-air analysis
    - ONA-SP-GSMSIA: GSM signal analysis
  - Cable and Antenna Analysis (CAA) implemented in new Test Process Automation (Job Manager)
  - Ability to import cell site location data-base into Interference Advisor (EagleEye).

Improvement

- Transport Test Functions
  - New test measurement tab (Radio Analysis Transport) in Home page.
  - Ability to set multiple streams in Ethernet testing.
  - Additional VSWR testing in ODU-Emulation (SPA06MA module)
- RF Test Functions
  - OneCheck improvements:
    - Allows multiple test selectors.
    - Enables configurable test setting.
    - Allows to post OneCheck files into Favorite's page.
    - Allows deployment of OneCheck files via StrataSync
    - Allows the ability to add help resources (pdf files and/or YouTube video links)
  - EMF Analyzer improvements:
    - Adds limit line to EMF NR Analyzer bar chart.
    - Adds the ability to save test result as CSV, logging as CSV in EMF scanner.
    - Adds the ability to set Amp/Scale units as percentage in EMF scanner.
  - Allows to set specific synchronization and timing metrics in Freq/Time/Power variation measurement tests, of LTE and 5G Analyzer measurement modes.
  - Automatic RF test port selection in RA32MA-O and RA44MA-O between Type-N and Type-K.
  - Recategorize Home page screen.
  - Ability to configure carrier name in NSA analyzer measurement mode.
  - Adds the ability to save results as CSV in Blind scanner.
  - Improves RFoCPRI measurement speed.
  - Removes automatic timestamps in file naming regardless of the file type.
  - Improves SIB1 decoding for TAGS/PLMN/5GNR.
  - Availability of Floating and Timed measurement options
  - Cable and Antenna Analysis (CAA) implementation in new Job Manager.

Bug Fix

- Radio Analysis Application
  - Fixed an issue in DTF measurement that incorrectly set units in foot.
  - Fixed an issue when uploading saved images not successful and marker menu being disabled.
  - Fixed an issue that displays an incorrect Max-Hold value after selecting Trace Write/Min/Max
  - Fixed an issue in Channel Scanner / Route Map, where logging results were not correctly saved as CSV file.
  - Fixed an issue in Channel Scanner / Route Map, where the Attenuation and Preamp were not properly changing.

Known Issues

- Infrequent dark screen issue when turned on that needs to reboot the instrument.
- When creating a Favorite file, any space in the icon name makes the Favorite unusable after rebooting.

Release 4.1.2-r0_a2

Release date: Mar 22, 2023

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Mainframe	4.1.2	01 Mar 2023
CAA	6.066.003r	02 Mar 2023
Fiber Optics	23.08+svn78059	02 Mar 2023
Radio Analysis	2.300.0007r	22 Mar 2023
RF Power Meter	7.024.001r	02 Mar 2023
Transport	4.0.1.a235375b440	02 Mar 2023

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

Improvement

Bug Fix

- Radio Analysis Application
  - RFoCPRI application launching issue.

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling
- When creating Favorite, any space in the name makes the favorite unusable after rebooting.

Release 4.1.2-r0_a1

Release date: Mar 03, 2023

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Mainframe	4.1.2	01 Mar 2023

CAA	6.066.003r	02 Mar 2023
Fiber Optics	23.08+svn78059	02 Mar 2023
Radio Analysis	2.300.0006r	02 Mar 2023
RF Power Meter	7.024.001r	02 Mar 2023
Transport	4.0.1.a235375b440	02 Mar 2023

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release.

Improvement

Bug Fix

- Radio Analysis Application
  - RAN Analyzer: TAGS – sync issues, Check Periodicity
  - MIB decoding prevented normal operation of LTE OTA Channel Scanner

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling
- When creating Favorite, any space in the name makes the favorite unusable after rebooting.

Release 4.1.0-r0_a2

Release date: Dec 21, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor 800 Wireless.

Hardware	Version	Build
Mainframe	4.1.0	14 Dec 2022
CAA	6.066.001r	20 Dec 2022
Fiber Optics	23.00+svn76974	20 Dec 2022
Radio Analysis	2.300.0003r	20 Dec 2022
RF Power Meter	7.024.001r	20 Dec 2022
Transport	4.0.1.34d465f80f9	21 Dec 2022

Please note that upgrading to v4.1.0 will take more time if the current version is 3.x.x. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release

- Mainframe

    - Timing Expansion Module (TEM2) as a reference for Radio Analysis RA Applications
- Transport Test Functions
    - 100GE Ethernet Test capability
- RF Test Functions
    - 9 GHz Radio Analysis module
    - OneCheck workflow automation
    - 5G RAN Analyzer option: 5G NR Beam Analyzer, RTSA, TAGS
    - Dual Band GNSS in Radio Analysis module Applications
    - OneViewer: Post Analysis PC Application for Spectrum and Realtime Spectrum replay and management
    - Floating and Timed license for RF and Transport options

Improvement

- Mainframe
    - Faster bootup time
- Transport Test Functions
    - Internal GNSS reference for PTP/1588
- RF Test Functions
    - Cable Delay standalone measurements with CAA module
    - GNSS sky view in Radio Analysis Applications
    - Convenient switch view between Spectrum and Spectrogram
    - On-Line Route Map for SA, IA, RTSA, TAGS, Channel Scanner
    - PCI Dominance in route-map
    - Improvements on auto-gated sweep setting
    - 5G NR PRB Allocation Map with Utilization and Channel Power
    - Addition of limit lines on Frequency Time and Power Variation
    - Addition of limits on 5G Beam Analyzer metrics (Power, Time Error, and EVM)
    - Interference Advisor improvement with 5G SSB Auto Search & SIB1 Search
    - Allow to overwrite names when saving a file
    - Displays the number of files and selected file in File Manager
    - Warning pop-up window when saving a Result/Report with calibration off

Bug Fix

- Radio Analysis Application
    - Intermittent external half-size modules recognition failure

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling
- When creating Favorite, any space in the name makes the favorite unusable after rebooting.

Release 4.0.2-r0_a3

Release date: Sep 23, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	4.0.2-cfa2158f5b	23/09/2022
CAA	6.065.002r-fd2ce7b	23/09/2022
Fiber Optics	22.54+svn75055	23/09/2022
Radio Analysis	2.210.0003r- b938c24	23/09/2022
RF Power Meter	7.023.001r-ec4695e	23/09/2022
Transport	3.2.1.a45477948c6	23/09/2022

Please note that upgrading to v4.0.1 will take more time. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release

Improvement

Bug Fix

- Radio Analysis Module
  - Fix upgrade process for ONA-800 18GHz and 44GHz modules

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 4.0.2-r0_a1

Release date: Sep 20, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	4.0.2-cfa2158f5b	20/09/2022
CAA	6.065.002r-fd2ce7b	20/09/2022
Fiber Optics	22.54+svn75055	20/09/2022
Radio Analysis	2.210.0002r-5c51c8c	20/09/2022
RF Power Meter	7.023.001r-ec4695e	20/09/2022
Transport	3.2.1.a45477948c6	20/09/2022

Please note that upgrading to v4.0.1 will take more time. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release

Improvement

Bug Fix

- Mainframe
  - Bluetooth log filling up diskspace has been fixed

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 4.0.1-r0_a1

Release date: Sep 16, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	4.0.1-10ba0851b1	15/09/2022
CAA	6.065.002r-fd2ce7b	16/09/2022
Fiber Optics	22.54+svn75055	16/09/2022
Radio Analysis	2.210.0002r-5c51c8c	16/09/2022
RF Power Meter	7.023.001r-ec4695e	16/09/2022
Transport	3.2.1.a45477948c6	16/09/2022

Please note that upgrading to v4.0.1 will take more time. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release

Improvement

Bug Fix

- Mainframe
  - Upgrade issue from previous firmware versions, v3.5 or below, and upgrade from v4.0 beta to another has been fixed
- RF Test Functions
  - Intermittent deactivation of carrier setting menu in 5G NR Carrier Scanner
  - SSB Auto Search is disabled in Freq/Time/Power Variation

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 4.0.0-r0_a1

Release date: Aug 25, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	4.0.0-2bcb4a2bcb	27/08/2022
CAA	6.065.002r-fd2ce7b	27/08/2022
Fiber Optics	22.54+svn75055	27/08/2022
Radio Analysis	2.200.0002r-dca28d8	27/08/2022
RF Power Meter	7.023.001r-ec4695e	27/08/2022
Transport	3.2.0.da66d953cc6	27/08/2022

Please note that upgrading to v4.0.0 will take more time. It could be in the order of 45 minutes as this includes an important operating system update.

What's new in this release

- Mainframe
  - SmartAccessAnywhere with IP address
- RF Test Functions
  - Online Route Map (ONA-SP-ORM)
- Transport Test Functions
  - Transport options for RA18G/32G/44G
    - ONA-SP-10GLAN
    - 10G Ethernet Test
    - ONA-SP-25GE
    - 25G Ethernet Test
    - ONA-SP-10G1588
    - 10GE 1588/PTP Test Option
    - ONA-SP-25G1588
    - 25GE 1588/PTP Test Option
    - ONA-SP-10GECAP
    - 10GigE Packet Capture
    - ONA-SP-25GECAP
    - 25GigE Packet Capture
    - ONA-SP-10M1GE
    - 10/100/100 Megabit Ethernet
    - ONA-SP-1GECAP
    - 1GigE Packet Capture
    - ONA-SP-CPRI18L2
    - CPRI BERT Line Rate 1 to 8

Improvement

- RF Test Functions
  - 110 MHz Bandwidth for Real-Time Spectrum Analysis
  - Number of user definable trace point

- Independent detector per trace
- DAS Solutions: LTE demodulation w/o PSS/SSS and Channel Scanner Route Map
- Temporary backup for Route Map data
- LTE PDSCH Precoding & MIB Decoding
- EMF-NR Analysis
- PDSCH Mapper
- TAGS Phase-2 (LTE-TDD, NR TDD Pattern-2)
- TAGS Interface with InterferenceAdvisor
- RFoCPRI usability improvement for speed and accuracy improvement
- IF Overload vs. Auto Preamp
- Report Generator

Bug Fix

- RF Test Functions
  - RFoCPRI Spectrum to Spectrogram change takes 27 seconds
  - Event Save – Save on Event freezes the trace once an event is happened. And the spectrum trace is not saved.
  - Noise Marker did not support linear scale unit.
  - Improved correlation between SS-RSRP and PBCH DMRS RSRP in 5G NR
  - Internal Power Meter: External offset does not work as defined in the user manual
  - Frequency setting overflow in Freq/Time/Power Variation
  - Trigger/Frequency reference menu is missing in IA Spectrogram
  - LTE selection is deactivated in GATED Sweep

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.5.0-r0_a2

Release date: July 28, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	3.5.0-66c7bd6	25/04/2022
CAA	6.064.003r-efb20b5	22/07/2022
Fiber Optics	22.20+svn73572-r0	22/07/2022
Radio Analysis	2.100.0014r-bc5e11d	22/07/2022
RF Power Meter	7.022.001r-bc8f4ca	22/07/2022
Transport	3.1.0 637018d	22/07/2022

What's new in this release

- Support new digital board (>rev 007) in RA18MA-O, RA32MA-O, and RA44MA-O

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.5.0-r0_a1

Release date: Apr 28, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	3.5.0-66c7bd6	25/04/2022
CAA06MA/CAA06MB	6.064.001r-834cc1f	29/04/2022
Fiber Optic	22.20+svn73572-r0	29/04/2022
SPA06	2.100.0009r-6d592ca	29/04/2022
RFPM	7.022.001r-bc8f4ca 29/04/2022	29/04/2022
Transport	3.1.0.637018d 29/04/2022	29/04/2022

What's new in this release

- RF Test Functions
  - Scanner (Spectrum centric) (Option: ONA-SP-CHS)
  - DSS Signal Analysis (Option: ONA-SP-DSSSIA)
  - Support RA18G/32G/44G Solution module
  - EagleEye Interface with RA18G/32G/44G Solution module
  - Blind Scan supports PLMN decoding for LTE
  - 5GNR Carrier Scanner supports PLMN decoding for 5G NR SA mode
- Transport Test Functions
  - 10GigE Packet Capture (Option: ONA-SP-10GECAP)
  - 10/100/1000 Megabit and 1 Gigabit Ethernet LAN (Option: ONA-SP-10M1GE)
  - 1GigE Packet Capture (Option: ONA-SP-1GECAP)
  - 25GE 1588/PTP Test Option (Option: ONA-SP-25G1588)
  - 25GigE Packet Capture (Option: ONA-SP-25GECAP)
  - CPRI Layer 2 NERT Rates 1 to 8 (Option: ONA-SP-CPRI18L2)

Improvement

- RF Test Functions
  - Usability improvement for TAGS: Manual setting and Gate Window setting GUI
  - Auto File Name
  - Auto CPRI configuration
    - Supports latest Nokia format and legacy Ericsson format

        - Support one button report generation for interference/PIM.
    - Supports P vs. T (Slot) in LTE/5GNR SiA
    - One button ClearWrite/Max/Min Trace set
    - Improvement for Auto Preamp for smooth noise floor variation
    - Adjustable Column width in Load window
    - Cell Phase Sync chart range: +/- 4.5 ms
    - Time Error Window: SSB Periodicity (5/10/20/40/80/160 ms), Frame (10 ms), Half Frame (5 ms)
- Transport Test Functions
    - Able to connect with multiple O-RUs with the M-plane

Bug Fix

- RF Test Functions
    - RFoCPRI Auto Configuration – fix bug on Save and Load Setup
    - RFoCPRI RX Setting supports 4x Carriers up to 8xMIMO
    - RFoCPRI RSSI/Slop calculation
    - Error in updating time chart in OTA Channel Scanner
    - Internal Power Meter – 5MHz BW
    - External Power Meter – Wrong Frequency setting
    - Freq/Time/Power Variation – Auto Scale
    - Freq/Time/Power Variation – forcing PCI Manual
- CAA Test Functions
    - Fixed an issue that displays no parameter setup menus for RF Source in the full Measure Setup screen

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.4.0-r0_a2

Release date: Jan 28, 2022

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	3.4.0	19 Dec 2021
SPA06MA/SPA06MA-O	2.000.0008r	26 Jan 2022
Transport	3.0.0.fb4e563	21 Dec 2021
CAA06MA/CAA06MB	6.063.002r	26 Jan 2022
Fiber Optic	22.00+svn71660	26 Jan 2022
RFPM	7.021.001r	21 Dec 2021

What's new in this release

- TDD Auto Gated Spectrum for 5G TDD (Option: ONA-SP-TAGS)
- Cell Phase Sync Analysis for 5G NR (Option: ONA-SP-CPS)
- 10GE 1588/PTP Test Option (Option: ONA-SP-10G1588)
- ODU C-Plane Emulation (Option: ONA-SP-ODUC)
- RFoCPRI Auto Configuration
- Support MA OTDR module
- Support TEM2

Improvement

- Management of different extremities
- Sweep time Max= 600s
- Gated Sweep: Zero Span trace can be synchronized with GPS
- Auto File Naming for CAA Module
- Blind Scan performance improvement (5G NR & DSS)
- Antenna Editor for EMF
- Added more Guidelines in the Standard
- CPRI frame capture
- Reduce the power offset across the mode in LTE
- More precise control in Auto Preamp

Bug Fix

- INCIRP line display in full span
- PIM flatness calculation
- Spectrum Route Map. Min logging time is changed from 20 min to 2 hrs.
- Error on DSS detection
- Sync module tab with actual module assembly status
- Fixed Y-scale error on 5G NR Carrier Scanner – Time Error
- RFoCPRI Auto Configuration clears up previous setting/findings before starting new search
- Fixed discontinued noise floor on Band 3 and Band 5 in SA and RTSA
- Fixed error in license info sharing when connected with EagleEye.

Known Issues

Infrequent dark screen issue when turned on that needs power recycling

Release 3.4.0-r0_a1

Release date: Dec 22, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	3.4.0	20 Dec 2021
SPA06MA/SPA06MA-O	2.000.0004r	22 Dec 2021

Transport	3.0.0.fb4e563	22 Dec 2021
CAA06MA/CAA06MB	6.063.001r	22 Dec 2021
Fiber Optic	21.64+svn70899	22 Dec 2021
RFPM	7.021.001r	22 Dec 2021

What's new in this release

- TDD Auto Gated Spectrum for 5G TDD (Option: ONA-SP-TAGS)
- Cell Phase Sync Analysis for 5G NR (Option: ONA-SP-CPS)
- 10GE 1588/PTP Test Option (Option: ONA-SP-10G1588)
- ODU C-Plane Emulation (Option: ONA-SP-ODUC)
- RFoCPRI Auto Configuration
- Support MA OTDR module
- Support TEM2

Improvement

- Management of different extremities
- Sweep time Max= 600s
- Gated Sweep: Zero Span trace can be synchronized with GPS
- Auto File Naming for CAA Module
- Blind Scan performance improvement (5G NR & DSS)
- Antenna Editor for EMF
- Added more Guidelines in the Standard
- CPRI frame capture
- Reduce the power offset across the mode in LTE
- More precise control in Auto Preamp

Bug Fix

- INCIRP line display in full span
- PIM flatness calculation
- Spectrum Route Map. Min logging time is changed from 20 min to 2 hrs.
- Error on DSS detection

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.3.3-r0_a1

Release date: Dec 14, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	3.3.0	3.3.3-r0 (08/12/2021)
SPA06MA/SPA06MA-O	1.900	1.9000.0004r_d71c478 (27/11/2021)

Transport	2.2.3	2.2.3.fff6f1c-1 (27/11/2021)
CAA06MA/CAA06MB	6.062	6.062.003r-1 (22/11/2021)
Fiber Optic	21.62	21.62+svn70611-r0 (26/11/2021)

What's new in this release

Improvement

- Minor Change
- CPME

Bug Fix

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.3.0-r0_a3

Release date: Dec 1, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor-800.

Hardware	Version	Build
Mainframe	3.3.0	3.3.0-r0 (18/08/2021)
SPA06MA/SPA06MA-O	1.900	1.9000.0004r_90748bd (18/08/2021)
Transport	2.2.0	2.2.0.52d1710-1 (18/08/2021)
CAA06MA/CAA06MB	6.062	6.062.001r-1 (16/08/2021)
Fiber Optic	21.62	2021/11/26

What's new in this release

- EONAOTDRMA-ATT
- EONAOTDRMA-ATT-UPG

Improvement

- SDK changes for piranha2.5 (MSI and pci stuff)
- New OTDR rpm for piranha2.5 support
- TrueBIDIR function can now be activated on any 4100 series B & C OTDR modules
- Compatibility with MA OTDR Hi

Bug Fix

- TrueBIDIR now works when directory name contains space

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.3.0-r0_a2

Release date: Jun 25, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.3.0	3.3.0-r0 (18/08/2021)
SPA06MA/SPA06MA-O	1.900	1.9000.0004r_90748bd (18/08/2021)
Transport	2.2.0	2.2.0.52d1710-1 (18/08/2021)
CAA06MA/CAA06MB	6.062	6.062.001r-1 (16/08/2021)
Fiber Optic	21.50	21.50+svn69930-r0 (08/10/2021)

What's new in this release

- Supports new OSA module for ONA-800 mainframe
- New OSA user interface
- Add 25GHz channel grid for DWDM OTDR application

Improvement

- Better management of 3-splitter clusters in PON architecture with FTTH-SLM
- Optimized OTDR test time vs. pulse width in high split ratio (>1x64)

Bug Fix

- The launch cable integrated into the OTDR module is correctly managed
- Average loss value different between pdf report and SLM

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.3.0-r0_a1

Release date: Jun 25, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.3.0	3.3.0-r0 (16/07/2021)
SPA06MA-O	1.900	1.9000.0001a_67 (10/08/2021)

Transport	2.2.0	2.2.0 (13/08/2021)
CAA06MA/CAA06MB	6.062	6.062.001r-1 (09/08/2021)
Fiber Optic	21.12	21.12+svn68387-r0 (25/06/2021)

What's new in this release

- Support for Spectrum Clearing in InterferenceAdvisor EagleEye
- 10G Ethernet (ONA-SP-10GELAN)
- 25G Ethernet (ONA-SP-25GE)
- ODU Emulation S-plane (ONA-SP-ODUS)
- ODU Emulation M-plane (ONA-SP-ODUM)
- Supports VMF/PL (ONA-PMVFL)

Improvement

- Blind Scan: Usability Improvement by populating pop-up to allow user to pick up measurement to run in conjunction with detected carriers
- Ericsson RFoCPRI 9/1 mapping: Able to extract exponent value loaded on the payload and ensure the validity of UL spectrum level
- RFoCPRI PIM – Spectrum flatness: Display RSSI and spectrum flatness of 4XMIMO Antenna
- Multi PCI dynamic range (NR & LTE)
- EMF Analyzer: Scanner: EMF Analyzer supports spectrum centric EMF measurement for multiple descrete bands sequentially and automatically.
- Auto Preamp: Auto Preamp and Input Atten control in IA& SA mode
- RF Power meter: Support external RF Power Sensor
- Custom favorites: User can create Favorite on the system screen with current setting or setup file
- LTE-FDD/TDD supports Subframe measurement
- Support Trace function in 5G NR EIRP measurement

Bug Fix

- RFoCPRI: CPRI configuration is disabled for WCDMA
- LTE-OTA Control: Negative EVM value shouldn't be displayed
- RFoCPRI Load Setup is not working
- SFP decode errors on the ONA-800
- Spectrum Route Map: PEAK frequency is not updated properly

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.2.1-r0_a1

Release date: Jun 25, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.2.1	3.2.1-r0 (04/05/2021)
SPA06MA-O	1.800	1.8000.0002r-a5adfd1 (25/06/2021)
CAA06MA/CAA06MB	6.061	6.061.001r-1 (21/06/2021)
Fiber Optic	21.12	21.12+svn68387-r0 (25/06/2021)

What's new in this release

- Supports Nano-OSA
- Supports PM/VFL

Bug fix/Improvement

- Improved Spectrum sweep time in Normal mode and Gated Sweep. It is about four times faster typically.
- Fixed error on RFoCPRI NEM default Setting
- Fixed error in applying color on Route Map when recalling GOMV files
- Fixed bug retaining watermark on thumbnail map
- Added AVG on Zero Span Trace in Gated Sweep
- Fixed Zero span trace level error due to Channel No change.
- Fixed Gate Length setting error in Gated Sweep

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.2.1-r0_a0

Release date: May 6, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.2.1	3.2.1-r0 (04/05/2021)
SPA06MA-O	1.700	1.7000.0009r-b77eff8 (28/04/2021)
CAA06MA/CAA06MB	6.060	6.060.001r-1 (28/04/2021)
Fiber Optic	21.02	21.04+svn67715-r0 (29/04/2021)

What's new in this release

- NSA Analyzer
- Scalar 2 Port
- LTE FDD/TDD Signal Analysis
    - Constellation, Frame Summary, Data Allocation Map, P vs. T (Frame)
- 5G NR Signal Analysis
    - P vs. T (Frame)
- Blind Scanner for LTE, DSS, and NR carrier search

Bug fix/Improvement

- RFoCPRI speed improvement in Quad SA mode
- RFoCPRI usability improvement for easier RX settings and traces control.
- Feature improvement on LTE FDD/TDD OTA Analyzer
  - Occupied BW, SEM, ACLR, Multi-ACLR, OTA Control Channel
- Feature improvement on 5GNR OTA Analyzer
  - Occupied BW, SEM, ACLR, Multi-ACLR, Multipath Profile
- EMF Analyzer
  - Improve beam visibility
  - RSRP Max/Min/AVG
  - Level Recorder for EMF-NR
  - Add UL/DL Allocation factor in EMF-NR Extrapolation
  - Append Standard guidelines
  - Export to CSV for EMF-NE
- NR/DSS improvement
  - PBCH-DMRS Power/EVM
  - Auto preamp control in LTE
  - NSA/DSS logging file export to Google Earth/Map
- Added Band 87 and 88 in the Channel Std

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.1.1

Release date: Feb 12, 2021

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.1.1	3.1.1-r0 (12/22/2020)
SPA06MA-O	1.600	1.600.0007r-19bd4f3 (12/23/2020)
CAA06MA/CAA06MB	6.040	6.040.002r-1 (12/17/2020)
Fiber Optic	19.92	19.92+svn65461-r3 (12/11/2020)

What's new in this release

- Supports SPA06MA module, a new 6GHz spectrum only hardware
- Sync of Preamp and Attenuation settings between ONA-800A and InterferenceAdvisor, EagleEye App

Bug fix/Improvement

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.1.1

Release date: Dec 24, 2020

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.1.1	3.1.1-r0 (12/22/2020)
SPA06MA/SPA06MA-O	1.600	1.600.0007r-19bd4f3 (12/23/2020)
CAA06MA/B	6.040	6.040.002r-1 (12/17/2020)
Fiber Optic	19.92	19.92+svn65461-r3 (12/11/2020)

What's new in this release

- **Spectrum/CPRI software options (Requires SPA06MA-O hardware)**
  - N/A
- **Fiber/Optic solution modules supported**
  - N/A
- **Fiber/Optic software option**
  - N/A

Bug fix/Improvement

- Fixed display flickering issue

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.1.0

Release date: Dec 18, 2020

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.1.0	3.0.1-r0 (11/12/2020)
SPA06MA-O	1.600	1.600.0006r-0653b3a (14/21/2020)
CAA06MA/CAA06MB	6.040	6.040.002r-1 (17/12/2020)
Fiber Optic	19.92	19.92+svn65461-r3 (11/12/2020)

What's new in this release

- **Spectrum/CPRI software options (Requires SPA06MA-O hardware)**
- ONA-SP-DSSOTA; DSS OTA Analyzer
    - RtSA improvement. Narrower span for better resolution and smaller RBW for better sensitivity.
        - Span: 100MHz to 3Mhz
        - RBW: 10MHz to 3kHz

- **Fiber/Optic solution modules supported**
    - N/A

- **Fiber/Optic software option**
    - N/A

Bug fix/Improvement

- Make CDM file generation configurable.
- Fixed LTE-FDDOTA, LTE-TDDOTA, DSSOTA license installation issue
- Change the warning message for Factory Reset
- Fixed invalid error message displaying after turned on

Known Issues

- Infrequent dark screen issue when turned on that needs power recycling

Release 3.0.1

Release date: Oct 20, 2020

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.0.1	3.0.1-078fabd (14/10/2020)
SPA06MA-O	1.400	1.400.0027r-6bcfb31 (21/10/2020)
CAA06MA/CAA06MB	6.020	6.020.001r-1 (21/10/2020)
Fiber Optic	19.90	19.90+svn65054-r0 (15/10/2020)

What's new in this release

- **Spectrum/CPRI software options (Requires SPA06MA-O hardware)**
    - ONA-SP-5GOTA; 5GNR OTA Beamforming analyzer
    - ONA-SP-EMFSA; EMF Analysis (Spectrum Analysis base)
    - ONS-SP-EMFNR; EMF Analysis (NR Beam Analysis base)

- **Fiber/Optic solution modules supported**
    - E4123MM; Multimode 850/1300 nm OTDR Module
    - E4138FMA365-APC; METRO-ACCESS/PON 1310/1550//F1650 NM APC OTDR MODULE
    - E4146QUAD; Multimode / Single mode 850/1300/1310/1550 nm OTDR PC
    - E4146QUAD; Multimode / Single mode 850/1300/1310/1550 nm OTDR APC
    - E41OTDRPM; Power Meter Option for OTDR Modules

- **Fiber/Optic software option**
  - EFTTHSLM; FTTH-SLM OTDR FUNCTION
  - EFTTHSLM-UPG; FTTH-SLM OTDR UPG OPTION
  - EFTTASLM; FTTA-SLM FUNCTION
  - EFTTASLM-UPG; FTTA-SLM OTDR UPG OPTION

Bug fix/Improvement

- Fixed bug causing blur at the bottom of the LCD display
- Frequency stability improvement using GPS

Known Issues

Release 3.0.0

Release date: Aug 29, 2020

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	3.0.0	3.0.0.0ec96ca
SPA06MA-O	1.3.0	1.300.1241r-1881b00
CAA06MA/CAA06MB	6.011	6.011.001r-1
Fiber Optic	18.98	18.98+svn64254-r0

What's new in this release

- **TPA (Test Process Automation)**
  - TPA becomes more interactive by offering pop-up window informing user about the next job scheduled and also allowing user can choose whether to continue or do more troubleshooting at the current mode.
  - TPA works with Spectrum Analyzer, Interference Analyzer, RtSA, and RFoCPRI measurement

- **Spectrum/CPRI software options (Requires SPA06MA-O hardware)**

- **Fiber/Optic solution modules supported**
  - E41 E4138FMA365-APC
  - E4146QUAD-PC
  - E4146QUAD-APC
  - E4123MM-PC
  - E41OTDRPM

- **Fiber/Optic software option**
  - EFTTHSLM

- EFTTHSLM-UPG
- EFTTASLM
- EFTTASLM-UPG

Bug fix/Improvement

- RF Source of CAA module can work with RadioAnalysis concurrently.
- Reduced FAN noise
- Spectrum freezing with specific frequency setting at the below of 40MHz
- Messing up spectrum trace when Min Hold or Average is used in RFoCPRI

Known Issues

Release 1.2.0

Release date: June 29, 2020

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for OneAdvisor.

Hardware	Version	Build
Mainframe	1.2.0	1.2.0-79d5204
SPA06MA-O	1.0.0	1.000.1214r-1bd2e41
CAA06MA/CAA06MB	6.010.006r	9b02487
Fiber Optic	18.96	svn63634-r0 (19/06/2020)

What's new in this release

- **Platform**
  - Supports interoperability with VIAVI's AntennaAdvisor Handle
  - Supports interoperability with VIAVI's InterferenceAdvisor, an Android based Automated Interference Hunting Solution.

- **Spectrum/CPRI software options (Requires SPA06MA-O hardware)**
  - ONA-SP-GNSS: GPS Option
  - ONA-SP-RT50: Realtime Spectrum Analysis up to 50MHz BW
  - ONA-SP-RT100: Realtime Spectrum Analysis up to 100MHz BW
  - ONA-SP-INTAN: Interference Analyzer (Interference Finder, Radar Chart, AA Handle)
  - ONA-SP-GSS: Gated Sweep Spectrum
  - ONA-SP-RM: Spectrum Route Map
  - ONA-SP-CPRI17: RFoCPRI Interference Analyzer for CPRI link rate from 1 to 7
  - ONA-SP-CPRI8: RFoCPRI Interference Analyzer for CPRI link rate 8
  - ONA-SP-CPRI18: RFoCPRI Interference Analyzer for link rate from 1 to 8

- **Fiber/Optic solution modules supported**
  - E41DWDMC-APC: E41DWDMC-PC; TUNABLE DWDM APC OTDR MODULE – C-BAND
  - E41DWDMC-PC: E41DWDMC-PC; TUNABLE DWDM PC OTDR MODULE – C-BAND
  - 2301/12: 2301/12; COSA-4055 APC CWDM OSA Module with SFP Bay – SC optical adapter mounted FC enclosed
  - 2331/12: 2331/12; OCC-4056C APC; DWDM Analyzer with SFP bay

- **Fiber/Optic software option**
  - 2331/94.01 Tunable SFP for OCC
  - ENTERPRISESLM / ENTERPRISESLM-UPG
  - ESMARTACQ / ESMARTACQ-UPG
  - ECABLESLM / ECABLESLM-UPG

Bug fix/Improvement

- Usability improvement on Home page with test shortcuts and Favorites
- Test Process Automation
  - CAA Check (requires SPA06MA/B module)
  - Job Manager with StrataSync

Known Issues

- N/A

Release 1.1.0

Release date: April 2, 2020 – 1st release

Software and Hardware compatibility

The following table lists the versions of related VIAVI hardware and software that can be used in conjunction with this release for ONA-800A.

Hardware	Version	Build
Mainframe	1.1.0	22/04/2020
CAA06MA/CAA06MB	6.010.003r-1	14/04/2020
Fiber Optic	18.94	17/03/2020

What's New in this release

Solution	Hardware	New SW feature/Option	Brief Description
Base Feature	ONA-800A	ONA-MF-WIFI ONA-MF-BT SAA-ADVISOR	Support of base features on ONA- 800A base including Wi-Fi, Bluetooth, Smart Access Anywhere, Mobile

Solution	Hardware	New SW feature/Option	Brief Description
			Tech, StrataSync, Job Manager
CAA	CAA06MA/B Module	ONA-CAA-RFS	VSWR, DTF, Cable Loss, Smith Chart, Bias-T, RF Source
OTDR	E4100 series Module	EFTTASLM	SM, MM, QUAD OTDR, LS, PM
FIT	FIT-FC-KIT3		FIT-FC-KIT3; Kit FiberChek Autofocus WiFi Microscope Tips for LC/PC SC/PC and SC/APC Case
OPM	MP-60A		Retrieving data. Wait a few seconds and try to cut or copy again.

Technical Assistance

For assistance related to the use of your product, call or e-mail VIAVI Technical Assistance Center (TAC) in your region. For a current listing of TAC phone numbers and e-mail addresses, go to: *http://www.viavisolutions.com/en/services-and-support/support/technical-assistance*

Viavi Solutions
1-844-GO-VIAVI
www.viavisolutions.com